

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: HALO

Report Number: P328530

Luminaire Tested: **L815SML10NP927MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P328530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-290-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L815SML10NP927MB  
Description: Small, 1000lm, 8D, 2700K, black finish  
Light Source: (1) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

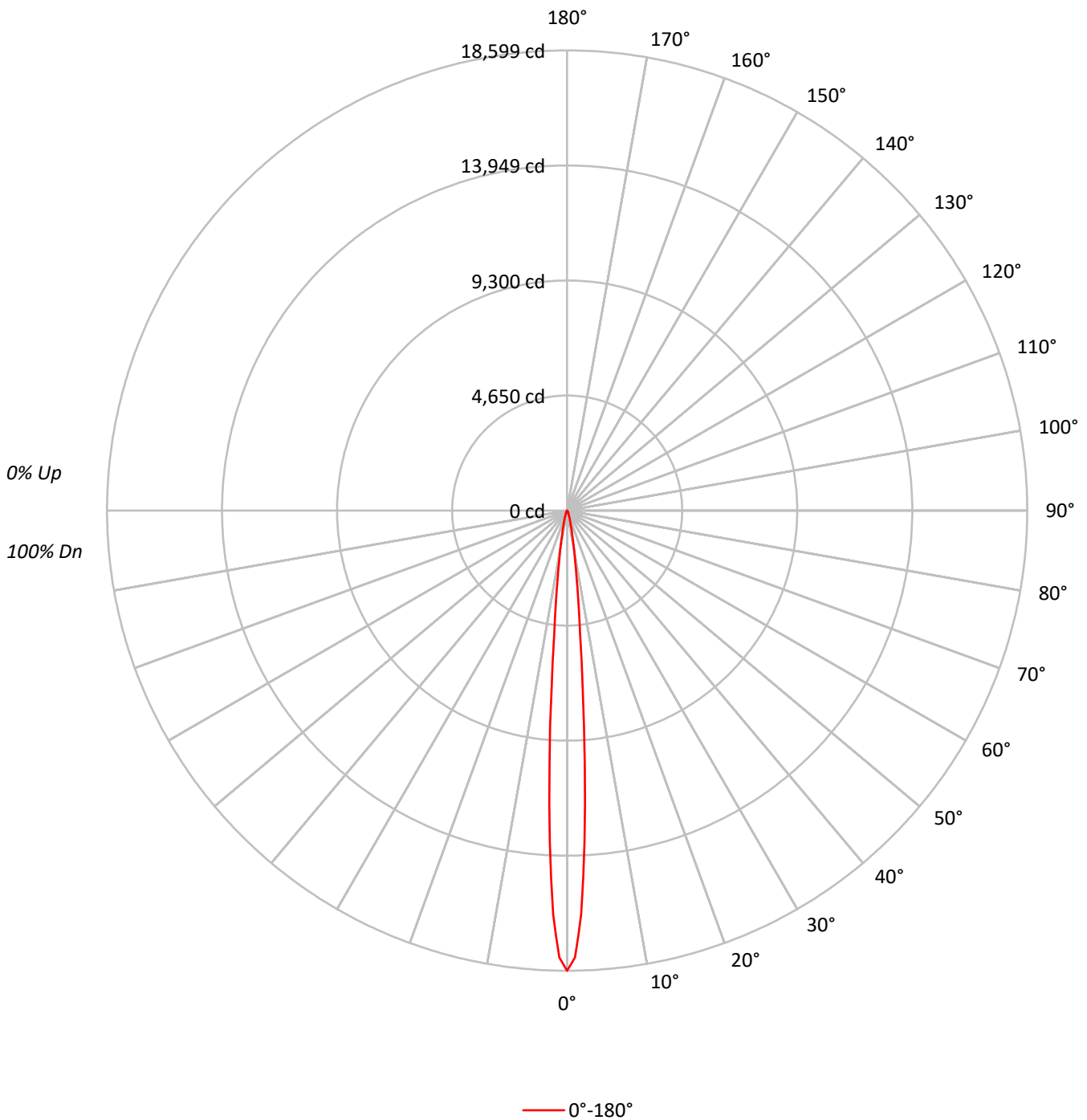
Lumens per Lamp: N/A  
Luminaire Lumens: 805.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.15 / 0.15 / 0.15  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101		102	100	99		99	98	97	96
3	110	106	102	100	108	104	101	99	102	100	98		100	98	96		98	96	95	94
4	107	102	99	97	106	101	98	96	99	97	95		98	96	94		96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95	93	91	90
6	103	97	94	91	101	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92	90	88	87
8	99	94	90	88	98	93	90	88	92	89	87		91	89	87		91	89	87	86
9	97	92	89	87	97	92	89	86	91	88	86		90	88	86		90	87	86	85
10	96	91	87	85	95	90	87	85	90	87	85		89	87	85		88	86	85	84

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	4078357
5°	1593590
10°	363431
15°	117594
20°	49238
25°	26131
30°	15192
35°	10440
40°	8015
45°	6822
50°	5799
55°	4970
60°	2631
65°	1557
70°	641
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.6	65.9
10°-20°	165.1	20.5
20°-30°	52.6	6.5
30°-40°	25.2	3.1
40°-50°	17.0	2.1
50°-60°	11.0	1.4
60°-70°	3.1	0.4
70°-80°	0.4	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	748.3	93.0
0°-40°	773.5	96.1
0°-60°	801.5	99.6
0°-90°	805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	18599	
5°	7240	531
15°	518	165
25°	108	53
35°	39	25
45°	22	17
55°	13	11
65°	3	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	18598.8
1°	18064.7
2°	16322.6
3°	13425.3
4°	10239.0
5°	7239.7
6°	5057.5
7°	3688.4
8°	2731.3
9°	2120.2
10°	1632.2
11°	1276.1
12°	996.1
13°	796.1
14°	641.1
15°	518.0
17.5°	321.0
20°	211.0
22.5°	148.0
25°	108.0
27.5°	80.0
30°	60.0
32.5°	47.0
35°	39.0
37.5°	33.0
40°	28.0
42.5°	25.0
45°	22.0
47.5°	19.0
50°	17.0
52.5°	15.0
55°	13.0
57.5°	10.0
60°	6.0
62.5°	4.0
65°	3.0
67.5°	2.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0.0}$

(END OF REPORT)